

DERWENT-ACC-NO: 1991-218505  
DERWENT-WEEK: 199130  
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TITLE: Polyolefin compsn. for crosslinked foam body for  
car interior - obtd.  
by adding ethylene!-butadiene! rubber to PP and PE resin  
mixt.

PATENT-ASSIGNEE: TONEN SEKIYU KAGAKU KK[TNEN]

PRIORITY-DATA: 1989JP-0277933 (October 25, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 03139535 A	June 13, 1991	N/A
000	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP03139535A	N/A	1989JP-0277933
October 25, 1989		

INT-CL (IPC): C08J009/06; C08L023/02

ABSTRACTED-PUB-NO: JP03139535A  
BASIC-ABSTRACT: A polyolefin compsn. for crosslinked foam  
body is obtd. by  
adding 3-50 pts.wt. of ethylene-butadiene rubber to 100  
pts.wt. of a resin  
mixt. consisting of 20-90 wt.% of polypropylene and 80-10  
wt.% of polyethylene.

USE/ADVANTAGE - The obtd. foam body is used for car  
interior, various  
cushioning material, heat insulating material, vibration  
damping material,  
etc., because the foam has good surface, good mechanical  
strength, and reduced  
directional property in various physical properties and  
compression permanent  
set.

The polypropylene is e.g. propylene homopolymer and copolymer of propylene with ethylene or other alpha-olefin. The polypropylene has melt flow rate (JIS K 7210, load 2.16 Kg, 230 deg.C) 1-100 g/10min. The polyethylene is e.g. low density polyethylene, medium or high density polyethylene etc. with melt index (JIS K 7210, load 2.16 Kg, 190 deg.C) 0.5-50 g/10 min is used. The ethylene-butene rubber has Mooney viscosity 10-120 ML1+4 (100 deg.C) and melt index (MI, JISK 7210, load 2.16 Kg, 190 deg.C) 0.5-20 g/10 min.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

POLYOLEFIN COMPOSITION CROSSLINK FOAM BODY CAR INTERIOR  
OBTAIN ADD POLYETHYLENE  
POLYBUTADIENE RUBBER RESIN MIXTURE

DERWENT-CLASS: A17 A95

CPI-CODES: A04-B05; A04-G02B; A04-G03B; A04-G08; A07-A02A1;  
A12-S04A2;  
A12-S04A3;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0218 0231 0232 0234 3151 0239 0241 0246  
0247 3153 0248 0250  
0257 1095 2020 2536 2537 2562 2563 2600 2617 2629 2634 2635  
2645 2697 2751 2828  
3300 2844

Multipunch Codes: 014 032 034 04- 040 041 046 047 048 049  
050 051 117 122 231  
27& 331 437 473 49- 491 512 514 541 551 556 567 57& 572 573  
575 58& 580 583 613  
617 623 629 672 677 688 723

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-094939

DERWENT-ACC-NO: 1995-220852  
DERWENT-WEEK: 199529  
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TITLE: Crystalline propylene polymer compsns. - prepd. by  
mixing  
ethylene-propylene block copolymer with crystalline  
propylene homopolymer.

PATENT-ASSIGNEE: CHISSO CORP[CHCC]

PRIORITY-DATA: 1993JP-0303344 (November 9, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 07133399 A	May 23, 1995	N/A
013	C08L 053/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP07133399A	N/A	1993JP-0303344
November 9, 1993		

INT-CL (IPC): C08K005/20; C08L053/00

ABSTRACTED-PUB-NO: JP07133399A

BASIC-ABSTRACT: A crystalline propylene polymer compsn.  
comprises mixing 100  
pts.wt. of a crystalline ethylene-propylene block copolymer  
with an ethylene  
content of 3-20 wt.% per total polymer amt. contg. 70-95  
wt.% of a first step  
polymer of a crystalline propylene homopolymer with a  
relationship of an  
isotactic pentad fraction (P) and a melt flow rate (MFR) of  
P being less than  
or equalling 1.00 and being greater than or equalling 0.015  
logMFR plus 0.955  
per total polymer amt. and then polymerising 30-5 wt.%  
ethylene or a mixt. of  
ethylene and propylene in at least one step per total  
polymer amt. with 0.001-1

pt.wt. of at least one amide cpd. of formula (1) and (2):

R2-NHCO-R1-CONH-R3 (1)

R5-CONH-R4-CONH-R6 (2)

R1 = satd. or unsatd. = 1-28C aliphatic, alicyclic or aromatic dicarboxylic acid residue; R2, R3 = 3-18C cycloalkyl or cycloalkenyl, 7-18C alkylphenyl, alkenylphenyl, cycloalkylphenyl, biphenyl, alkylcyclohexyl, alkenylcyclohexyl, cycloalkylcyclohexyl or phenylcyclohexyl or 7-10C phenylalkyl or cyclohexylalkyl; R4 = satd. or unsatd. 1-28C aliphatic, alicyclic or aromatic amino acid residue; R5, R6 = 3-18C cycloalkyl or cycloalkenyl, phenyl, 7-18C alkylphenyl, alkenylphenyl, cycloalkylphenyl, biphenyl, alkylcyclohexyl, alkenylcyclohexyl, cycloalkyl cyclohexyl or phenylcyclohexyl or 7-10C phenylalkyl or cyclohexylalkyl.

ADVANTAGE - The crystalline propylene polymer compsns. can give mouldings with excellent tensile elongation, impact resistance and heat resistant rigidity.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CRYSTAL PROPYLENE POLYMER COMPOSITION PREPARATION MIX  
ETHYLENE PROPYLENE BLOCK  
COPOLYMER CRYSTAL PROPYLENE HOMOPOLYMER

DERWENT-CLASS: A17 E19

CPI-CODES: A04-G06A; A08-M10; E06-D03; E10-D03;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

G001	G002	G003	G010	G011	G012	G013	G019	G020	G021
G022	G029	G030	G033	G034	G035	G039	G040	G050	G100
G111	G112	G113	G221	G553	G563	G599	H715	H721	H722
H723	J0	J012	J3	J331	J332	J341	J342	J351	J352

J361 J362 J371 J372 M111 M113 M116 M119 M121 M122  
M123 M125 M126 M129 M136 M139 M210 M211 M212 M213  
M214 M215 M216 M220 M221 M222 M223 M224 M225 M226  
M231 M232 M233 M240 M280 M281 M282 M311 M312 M313  
M314 M315 M316 M320 M321 M322 M323 M331 M332 M333  
M340 M342 M349 M372 M373 M381 M382 M391 M392 M414  
M415 M510 M520 M530 M531 M532 M533 M540 M541 M542  
M543 M781 M782 M903 M904 Q130 Q622 R038

Markush Compounds

199529-D8001-M 199529-D8001-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82 ;  
R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58  
D83 ; H0022  
H0011 ; H0044\*R H0011 ; L9999 L2528 L2506 ; S9999 S1387  
; S9999  
S1434 ; S9999 S1547 S1536 ; P1150 ; P1285

Polymer Index [1.2]

017 ; ND04 ; B9999 B4795 B4773 B4740 ; B9999 B3907  
B3838 B3747 ;  
B9999 B4159 B4091 B3838 B3747 ; B9999 B4079 B3930 B3838  
B3747 ;  
B9999 B3601 B3554 ; B9999 B4682 B4568 ; N9999 N6439 ;  
N9999 N6202  
N6177 ; N9999 N6484\*R N6440 ; B9999 B5594 B5572 ; B9999  
B4955 B4944  
B4922 B4740

Polymer Index [1.3]

017 ; D01 D11 D10 D13\*R D18\*R D19 D18 D14 D13 D31 D32  
D50 D89 D90  
D91 D92 D93 D94 D95 F70 E00\*R E21 E00 ; A999 A362 ;  
A999 A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-101792

DERWENT-ACC-NO: 1995-204004  
DERWENT-WEEK: 199527  
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TITLE: Crystalline propylene! polymer compsn. of good  
resistance - prepd. by  
blend di:anilide cpds. into crystalline  
ethylene!-propylene! block copolymer

PATENT-ASSIGNEE: CHISSO CORP[CHCC]

PRIORITY-DATA: 1993JP-0291390 (October 27, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 07118486 A	May 9, 1995	N/A
009	C08L 053/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP07118486A	N/A	1993JP-0291390
October 27, 1993		

INT-CL (IPC): C08K005/20; C08L053/00

ABSTRACTED-PUB-NO: JP07118486A

BASIC-ABSTRACT: The crystalline propylene polymer compsn.  
is prepd. by blending  
0.001-1, pref. 0.01-0.5 pt. wt. of one or two amide cpds.  
selected from among  
adipic acid dianilide and suberic acid dianilide into 100  
pts. wt. of a  
crystalline ethylene-propylene block copolymer which is  
obtd. by producing a  
1st-step crystalline propylene homopolymer having an  
isotactic pentad content  
(P) and a melt flow rate (MFR) such that  $P = 1.00-0.015$   
 $\log MFR + 0.955$ , and  
then copolymerising 30-5 wt.% of ethylene or ethylene and  
propylene in one or  
more steps with 70-95 wt.% of the above propylene polymer  
and has an ethylene

content of 3-20 wt.%. The crystalline ethylene-propylene block copolymer has a max. isotactic pentad content of 1.00 and a melt flow rate of 0.05-10 g/10 min..

ADVANTAGE - The crystalline propylene polymer compsn. forms moulded prods. with high tensile elongation, excellent impact resistance and high rigidity under heat.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CRYSTAL POLYPROPYLENE POLYMER COMPOSITION RESISTANCE  
PREPARATION BLEND DI  
ANILIDE COMPOUND CRYSTAL POLYETHYLENE POLYPROPYLENE BLOCK  
COPOLYMER

DERWENT-CLASS: A17 E14

CPI-CODES: A04-G03B; A04-G06A; A08-M10; E10-D03A;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

G010 G019 G100 J0 J012 J3 J342 M280 M314 M315  
M321 M332 M342 M382 M391 M414 M510 M520 M532 M540  
M781 M903 M904 Q130 Q622

Markush Compounds

199527-C8801-U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83 ;  
H0000 ; S9999 S1434 ; P1150 ; P1343

Polymer Index [1.2]

017 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82 ;  
R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58  
D83 ; H0022  
H0011 ; S9999 S1434 ; H0044\*R H0011 ; P1150 ; P1285

Polymer Index [1.3]

017 ; ND04 ; K9745\*R ; B9999 B4795 B4773 B4740 ; B9999  
B4159 B4091

B3838 B3747 ; B9999 B3601 B3554 ; B9999 B4955 B4944  
B4922 B4740  
; B9999 B3907 B3838 B3747 ; B9999 B4079 B3930 B3838  
B3747 ; B9999  
B3178 ; K9461 ; N9999 N6439  
Polymer Index [1.4]  
017 ; D01 D11 D10 D19 D18 D32 D50 D94 F70 ; A999 A362 ;  
A999 A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-094566



DERWENT-ACC-NO: 1989-195688  
DERWENT-WEEK: 198927  
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TITLE: Resin compsn. for exterior parts of car - comprises  
crystalline  
propylene!-ethylene! block copolymer amorphous  
ethylene!-propylene! copolymer  
and ion crystallinity copolymer

PATENT-ASSIGNEE: CHISSO CORP[CHCC]

PRIORITY-DATA: 1987JP-0288504 (November 17, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 01132649 A	May 25, 1989	N/A
005	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP01132649A	N/A	1987JP-0288504
November 17, 1987		

INT-CL (IPC): B60R019/03; C08L023/16 ; C08L053/00

ABSTRACTED-PUB-NO: JP01132649A

BASIC-ABSTRACT: Resin compsn. comprises crystalline  
propylene ethylene block  
copolymer with ethylene content 2-25 wt.%, 5-25 wt.% of  
amorphous  
ethylene-propylene copolymer and 1-10 wt.% of low  
crystallinity ethylene-butene  
copolymer.

Specifically the low crystallinity ethylene-butene  
copolymer has a density up  
to 0.910 g/cm<sup>3</sup>. The resin compsn. opt. contains up to 5  
wt.% of ethylene type  
polymer with density at least 0.940 g/cm<sup>3</sup>. The crystalline  
propylene-ethylene  
block copolymer has a melt flow rate of 10-50 g/10 min. The

amorphous  
ethylene-propylene copolymer has a Mooney viscosity ML1+4  
(100 deg.C) of up to  
50.

USE/ADVANTAGE - Resin compsn. is used for exterior parts of  
car. It has good  
impact resistance, moulding processability, appearance of  
moulding and chalking  
resistance of flow mark part in pretreatment  
(1,1,1-trichloroethane vapour  
cleaning) before coating.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:  
RESIN COMPOSITION EXTERIOR PART CAR COMPRISE CRYSTAL  
POLYPROPYLENE POLYETHYLENE  
BLOCK COPOLYMER AMORPHOUS POLYETHYLENE POLYPROPYLENE  
COPOLYMER ION CRYSTAL  
COPOLYMER

DERWENT-CLASS: A17 A95 Q17

CPI-CODES: A04-G06A; A07-A02D; A12-T04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:  
Key Serials: 0002 0006 0218 0231 3151 0241 3153 0250 0257  
2382 2545 2560 2562  
2617 2640 2642 2645 3300 2829  
Multipunch Codes: 014 029 034 036 04- 040 041 046 047 050  
051 27& 402 405 42&  
437 476 512 514 551 556 57& 575 577 578 58& 580 672  
SECONDARY-ACC-NO:  
CPI Secondary Accession Numbers: C1989-086539  
Non-CPI Secondary Accession Numbers: N1989-149565